







**SEARCH NOTES**

Search Notes	Date	Examiner
G01K007/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW <i>mw</i>
G01K011/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW <i>mw</i>
G01K013/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01K009/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01K007/16 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L011/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L007/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L009/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L013/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L015/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L017/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L019/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L021/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G01L021/02 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
G06F015/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
702/47, 50, 98, 99, 100, 127, 130, 133, 138, 156, 189 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	11/14/2006	DNW
Inventor name search - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	03/14/2007	DNW
EAST keyword/keyphrase - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	03/14/2007	DNW
G06F015/00 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	03/14/2007	DNW
702/47, 50, 98, 99, 100, 127, 130, 133, 138, 156, 189 - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	03/14/2007	DNW
Inventor name search - update - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	04/12/2007	DNW
EAST keyword/keyphrase - update - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	04/12/2007	DNW
IEEE keyword/keyphrase - see printout	04/12/2007	DNW
G06F15/00 - update - see printout - (USPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM-TDB)	04/12/2007	DNW
700/99 - see printout - (USPGPUB; USPAT; USOCR)	04/12/2007	DNW
702/127, 130, 133, 138, 156 - update - see printout - (USPGPUB; USPAT; USOCR)	04/12/2007	DNW <i>mw</i>

## INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
702	133	03/14/2007	DNW 
702	138	03/14/2007	DNW 
702	156	03/14/2007	DNW 
702	130	04/12/2007	DNW 
702	138	04/12/2007	DNW 
702	156	04/12/2007	DNW 

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	56	((sensor detector encoder transducer) near3 (fusing fusion superposition)) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near3 (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 09:52
L2	18	((sensor detector encoder transducer) near3 (fusing fusion superposition)) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near3 (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 09:58

## EAST Search History

L3	78	((plural several plurality numerous multiple number multiplicity) near3 ((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module)))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 10:06
L4	242	700/299.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:06
L5	25	((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter))) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)) with (electrically physically) near3 (connected joined attached mated)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 10:12

## EAST Search History

L6	1	l4 and ((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)) with (electrically physically) near3 (connected joined attached mated))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:12
L7	1	"702"\$.ccls. and ((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)) with (electrically physically) near3 (connected joined attached mated))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:12

## EAST Search History

L8	3	<p>"700"/\$.ccls. and ((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)) with (electrically physically) near3 (connected joined attached mated))</p>	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:11
L9	1	<p>"73"/\$.ccls. and ((sensor detector encoder transducer) ((data signal information) near3 (acquisition monitoring) near3 (unit device apparatus appliance instrument module))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water adj (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)) with (electrically physically) near3 (connected joined attached mated))</p>	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:10
S7	652	steris.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:56

## EAST Search History

S41	29	(((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 06:38
S52	11	(halstead same eric).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:15
S53	41	(halstead same e).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:15
S54	1058	(halstead).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:15
S55	8	(theriault same yves same andre).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:16

## EAST Search History

S56	0	(theriault same yves same a).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:16
S57	21	(theriault same yves).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:16
S58	18	(theriault same y).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:16
S59	452	(theriault).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:16
S60	76	702/133.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 11:18
S61	270	702/138.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 11:18
S62	139	702/156.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/14 11:18
S63	3232	g06f15/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/03/14 11:21
S64	1349	(((data signal information) near3 (capturing capture acquisition acquiring acquisitioning)) with (circuit module element instrument device apparatus mechanism machine)) and ((parameter value variable) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 11:37



## EAST Search History

S65	142	((plural several many multiple plurality multiplicity numerous) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning)) with (circuit module element instrument device apparatus mechanism machine)) and ((parameter value variable) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:35
S66	78	((data signal information) near3 (capturing capture acquisition acquiring acquisitioning) near3 (circuit module element instrument device apparatus mechanism machine)) and ((sense detect sensing detecting detection) with (parameter value variable) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:13
S67	25	((data signal information) near3 (capturing capture acquisition acquiring acquisitioning) near3 (circuit module element instrument device apparatus mechanism machine)) and ((sense detect sensing detecting detection) with (parameter value variable) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))) with (temperature pressure volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:16
S68	97	((data signal information) near3 (capturing capture acquisition acquiring acquisitioning) near3 (circuit module element instrument device apparatus mechanism machine)) and ((sense detect sensing detecting detection measure measuring measurement) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))) with (temperature pressure volume)) and (((a adj d) (analog near3 digital)) near3 (circuit converter conversion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:35
S69	1	"20040128099".pn.	US-PGPUB	OR	OFF	2007/03/14 12:33
S70	0	"20040128099".pn. and (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)) with (temperature pressure volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:36

## EAST Search History

S71	0	"20040128099".pn. and (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))) same (temperature pressure volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:37
S72	0	"20040128099".pn. and (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))) and (temperature pressure volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:37
S73	0	"20040128099".pn. and (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 12:45
S74	0	((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) same ((receiving acquiring sensing measuring) with (data signal information) with (related relative associated correlated) with (water ((cleaning disinfection) near3 (solution fluid liquid)))) and ((primary initial first original starting beginning) with ((computer processor controlling controller computing processing) near3 (means circuit section portion part module element))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (second with ((computer processor controlling controller computing processing) near3 (means circuit section portion part module element))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:21
S75	0	((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) same ((receiving acquiring sensing measuring) with (data signal information) with (related relative associated correlated) with (water ((cleaning disinfection) near3 (solution fluid liquid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:14

## EAST Search History

S76	196674	((primary initial first original starting beginning) with ((computer processor controlling controller computing processing) near3 (means circuit section portion part module element)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:07
S77	1283	((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:08
S78	138680	(second with ((computer processor controlling controller computing processing) near3 (means circuit section portion part module element)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:10
S79	388576	((analog near3 digital) a\$1d) near3 (conversion converting converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:10
S80	41	S76 and S77 and S78 and S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:11
S81	986	((receiving acquiring sensing measuring) with (data signal information) with (related relative associated correlated) with (water ((cleaning disinfection) near3 (solution fluid liquid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:16
S82	0	S80 and S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:16

## EAST Search History

S83	13868	((receiving acquiring sensing measuring) with (data signal information) with (water ((cleaning disinfection) near3 (solution fluid liquid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:16
S84	0	S80 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:17
S85	119098	((data signal information) with (water ((cleaning disinfection) near3 (solution fluid liquid))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:16
S86	5	S80 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:17
S87	0	702/130.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 13:23
S88	0	702/138.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 13:23

## EAST Search History

S89	0	702/156.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 13:23
S90	0	702/130.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))) .clm.	US-PGPUB	OR	ON	2007/03/14 13:24
S91	0	702/138.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))) .clm.	US-PGPUB	OR	ON	2007/03/14 13:24
S92	0	702/156.ccls. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))) .clm.	US-PGPUB	OR	ON	2007/03/14 13:24

## EAST Search History

S93	0	g06f15/00.ipc. and (((primary initial first original starting beginning) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (water ((cleaning disinfection) near3 (solution fluid liquid))) and ((secondary additional subsequent) with ((data signal information) near3 (measuring measurement acquiring acquisition) near3 (element module part portion section network circuit))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:24
S94	7435	((plural several many multiple plurality multiplicity numerous dual paired second first secondary) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning measurement measuring)) with (circuit module element instrument device apparatus mechanism machine portion part section unit system)) and ((water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:39
S95	743	((plural several many multiple plurality multiplicity numerous dual paired second first secondary) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning measurement measuring)) with (circuit module element instrument device apparatus mechanism machine portion part section unit system)) same ((water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:39
S96	360	((plural several many multiple plurality multiplicity numerous dual paired second first secondary) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system))) same ((water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:40

## EAST Search History

S97	73	((plural several many multiple plurality multiplicity numerous dual paired second first secondary) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system))) same ((water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 14:48
S98	11	((plural several many multiple plurality multiplicity numerous dual paired second first secondary) with ((data signal information) near3 (capturing capture acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system))) same ((water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))) same (((analog near3 digital) a\$1d) near3 (conversion converting converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 13:43
S99	244	((data signal information) with (capturing capture acquisition acquiring acquisitioning measurement measuring) with (circuit module element instrument device apparatus mechanism machine portion part section unit system))) same ((measure determine measuring determining measurement determination) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))) with (temperature pressure volume)) and (((analog near3 digital) a\$1d) near3 (conversion converting converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 14:54
S100	391	(data near3 (acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system processor)) and ((measure determine measuring determining measurement determination) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution)))) with (temperature pressure volume)) and (analog near3 digital)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 15:01

## EAST Search History

S101	12	((first prior primary initial) near3 (data near3 (acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system processor))) and ((measure determine measuring determining measurement determination) with (water ((cleaning cleansing disinfecting disinfection decontamination decontaminating) near3 (fluid liquid solution))) with (temperature pressure volume)) and (analog near3 digital) and ((secondary subsequent additional second) near3 (data near3 (acquisition acquiring acquisitioning measurement measuring) near3 (circuit module element instrument device apparatus mechanism machine portion part section unit system processor)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/03/14 15:05
S102	43	((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:01
S103	11	(halstead same eric).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:52
S104	41	(halstead same e).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:53



## EAST Search History

S105	1059	(halstead).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:53
S106	8	(theriault same yves same andre).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:54
S107	0	(theriault same y same a).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:54
S108	18	(theriault same y).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:54
S109	17	(theriault same a).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:54
S110	455	(theriault).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:54
S111	693	steris.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 09:56

## EAST Search History

S112	1	(S105 S110 S111) and (((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement ) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 09:57
S113	18	(((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement ) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and (pressure temperature volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:10

## EAST Search History

S114	3397	g06f15/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/04/11 10:06
S115	464	702/127.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 10:06
S116	671	702/130.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 10:06
S117	272	702/138.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 10:07
S118	139	702/156.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/11 10:07
S119	2	(S102 S113) and (S114 S115 S116 S117 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:08

## EAST Search History

5120	13	(((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:23
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## EAST Search History

S121	3	(((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((first primary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer (sensing near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:26
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## EAST Search History

S122	3	(((first primary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((first primary) near3 (sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and (((second additional auxillary ancillary secondary) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((second additional auxillary ancillary secondary) near3 (sensor detector transducer encoder ((detecting encoding sensing) near3 (device element unit)))) and ((first primary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and ((second additional auxillary ancillary secondary) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 10:50
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## EAST Search History

S123	0	(((several many plural number multiple numerous multiplicity) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((several many plural number multiple numerous multiplicity) near3 (sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ((several many plural number multiple numerous multiplicity) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 11:10
S124	1276	(( (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ( (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) and ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 11:02

## EAST Search History

S125	684	((data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ((processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and ((measure determine sense measuring determining detect detecting sensed detected measured measurement determination detection) with ((fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 11:02
S126	1	((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) same ((several many plural number multiple numerous multiplicity) near3 (sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and ((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 11:19



## EAST Search History

S127	34	<p>((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) and ((several many plural number multiple numerous multiplicity) near3 (sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and ((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (fluid liquid water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))</p>	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 11:36
S128	8	<p>((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument)) and ((several many plural number multiple numerous multiplicity) near3 (sensor detector encoder transducer ((detecting encoding sensing) near3 (device element unit)))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and ((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))</p>	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 12:48

## EAST Search History

S129	9	((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (sensor detector transducer encoder) ) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)) and ((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 13:33
S130	54092	((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 13:34
S131	158	((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near5 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension)))) near3 (pressure temperature volume)) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional) near3 ((data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) near3 (circuit module part portion section unit element device apparatus instrument))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 13:46

## EAST Search History

S132	3258	((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near4 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume parameter variable value)) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional dual paired pair couple two) near3 (((data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) measurement measuring detection detecting sensing sensor) near3 (circuit module part portion section unit element device apparatus instrument))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 13:53
S133	525	((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near4 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume parameter variable value)) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional dual paired pair couple two) near3 (((data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) measurement measuring detection detecting sensing sensor) near3 (circuit module part portion section unit element device apparatus instrument)))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional dual paired pair couple two) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 13:54

## EAST Search History

S134	179	((measure determine detect sense detected sensed determined measured determination detection measurement sensing measuring detecting determining) near4 (water ((cleaning cleansing disinfection disinfecting disinfectant cleanser) near3 (mixture solution suspension))) near3 (pressure temperature volume parameter variable value)) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional dual paired pair couple two) near3 (((data signal information) near3 (acquisition receiving receiver acquiring reception measuring measurement) measurement measuring detection detecting sensing sensor) near3 (circuit module part portion section unit element device apparatus instrument))) and ((several many plural number multiple numerous multiplicity first primary secondary subsequent additional dual paired pair couple two) near3 (processor computer microcomputer microprocessor (processing near3 (unit device means)))) and (adc (analog near3 digital near3 converter)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 14:52
S135	0	((data near3 acquisition near3 system) monitoring (sensor near3 data) primary circuit receiving first sensing device parameter water (cleaning near3 solution) (disinfection near3 solution) processing means received secondary (analog near3 digital near3 (converter conversion converting) near3 means) electrically connected)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/04/11 14:55
S136	0	((data near3 acquisition near3 system) monitoring (sensor near3 data) primary circuit first sensing device parameter water (cleaning near3 solution) (disinfection near3 solution) processing means secondary (analog near3 digital near3 (converter conversion converting) near3 means) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/04/11 14:55
S137	1	((dual pair couple two) near3 ((measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus))) and (water ((cleaning cleansing cleaner cleaning) near3 (solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (solution mixture suspension))) and ((processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) and (analog near3 digital near3 (converter conversion converting) near3 means)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:05

## EAST Search History

S138	1249	((dual pair couple two paired connected adjacent) near3 ((measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) and (water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) and ((dual pair couple two paired connected adjacent associated) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) and (analog near3 digital near3 (converter conversion converting) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:10
S139	258	((dual pair couple two paired connected adjacent) near3 ((measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) and ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with (water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) with (property character trait feature parameter characteristic pressure temperature volume)) and ((dual pair couple two paired connected adjacent associated) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) and (analog near3 digital near3 (converter conversion converting) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:22

## EAST Search History

S140	1025	((dual pair couple two paired connected adjacent plural several plurality many number numerous multiple multiplicity) near3 ((sensor sensing detection detecting encoder encoding measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) and ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with (water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) with (property character trait feature parameter characteristic pressure temperature volume)) and ((dual pair couple two paired connected adjacent associated plural several plurality many number numerous multiple multiplicity) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) and (analog near3 digital near3 (converter conversion converting) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:28
S141	100	((dual pair couple two paired connected adjacent plural several plurality many number numerous multiple multiplicity) near3 ((sensor sensing detection detecting encoder encoding measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) same ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with (water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) with (property character trait feature parameter characteristic pressure temperature volume)) and ( ((dual pair couple two paired connected adjacent associated plural several plurality many number numerous multiple multiplicity) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) same (analog near3 digital near3 (converter conversion converting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:38

## EAST Search History

S142	91	((dual pair couple two paired connected adjacent plural several plurality many number numerous multiple multiplicity) near3 ((sensor monitor monitoring sensing detection detecting encoder encoding measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) same ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with ((water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) near4 (property character trait feature parameter characteristic pressure temperature volume))) and ( ((dual pair couple two paired connected adjacent associated plural several plurality many number numerous multiple multiplicity) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) same (analog near3 digital near3 (converter conversion converting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:43
S143	121	((dual pair couple two paired connected adjacent plural several plurality many number numerous multiple multiplicity first primary second subsequent secondary) near3 ((sensor monitor monitoring sensing detection detecting encoder encoding measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) same ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with ((water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) near4 (parameter pressure temperature volume))) and ( ((dual pair couple two paired connected adjacent associated plural several plurality many number numerous multiple multiplicity) near3 (processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) same (analog near3 digital near3 (converter conversion converting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:52

## EAST Search History

S144	478	((((sensor monitor monitoring sensing detection detecting encoder encoding measurement measuring (data near3 (acquisition acquiring))) near3 (system module part portion section device apparatus circuit))) same ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with ((water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) near4 (parameter pressure temperature volume))) and ( ((processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) same (analog near3 digital near3 (converter conversion converting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:53
S145	10	((((data near3 acquisition acquiring) near3 (system module part portion section device apparatus circuit))) same ((measure detect sense determine measuring detecting sensing determining measured sensed determined detected measurement detection determination) with ((water ((cleaning cleansing cleaner cleaning) near3 (fluid liquid solution mixture suspension)) ((disinfection disinfectant disinfecting) near3 (fluid liquid solution mixture suspension))) near4 (parameter pressure temperature volume))) and ( ((processing near3 means) processor microprocessor computer microcomputer controller microcontroller analyzer) same (analog near3 digital near3 (converter conversion converting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/11 15:54
S146	29	((dual redundant parallel complimentary symmetrical) near5 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection) near3 (unit module element device apparatus instrument))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near5 (property parameter characteristic trait feature dynamic variable))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 06:49



## EAST Search History

S147	250	((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near5 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection monitor monitoring) near3 (unit module element device apparatus instrument))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near5 (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near5 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:17
S148	26	((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near5 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection monitor monitoring) near3 (unit module element device apparatus instrument))) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near5 (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near5 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) same ((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 09:48

## EAST Search History

S149	262	<p>((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity many) near5 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection monitor monitoring) )) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near5 ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)))</p>	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:19
S150	131	<p>((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity many) near3 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection monitor monitoring) )) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)))</p>	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:20

## EAST Search History

S151	13	((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity many) near3 ((data signal information) near3 (acquisition capture measurement acquiring measuring capturing sensing detecting detection monitor monitoring) )) and ((measure determine detect sense measuring determining detecting sensing measurement detection determination) near3 ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and (((dual redundant parallel complimentary symmetrical paired plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) same ((analog near3 digital) (ad adj converter)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:28
S152	0	((dual redundant ) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and (((dual redundant plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:31
S153	128	((dual redundant ) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:30

## EAST Search History

S154	13	((dual redundant ) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((dual redundant plural several plurality numerous multiple number multiplicity) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:31
S155	60	((dual redundant ) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ( (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:37
S156	10	((dual redundant ) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) with ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) with (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) and ((computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) and ((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:31

## EAST Search History

S157	0	(primary near3 (data signal information) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) near3 (system unit device apparatus instrument module equipment)) same ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near4 (property parameter characteristic trait feature dynamic variable temperature volume pressure)))) same ( (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic))) same ((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:50
S158	15452	((primary first) near3 (data signal information) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) near3 (system unit device apparatus instrument module equipment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:48
S159	83402	((primary first) near3 (sensor transducer detector encoder detecting sensing detection) near3 (system unit device apparatus instrument module equipment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:49
S160	86223	(acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) near3 ((water cleanser cleaner disinfectant ((cleanser cleaner cleansing cleaning disinfectant disinfecting disinfection) near3 (solution mixture suspension)) near3 (property parameter characteristic trait feature dynamic variable temperature volume pressure))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:45
S161	266424	(primary first) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic) ((processing computing) near3 (mean ability capability))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:49
S162	11990	((second secondary) near3 (data signal information) near3 (acquisition measurement acquiring measuring sensing detecting detection monitor monitoring) near3 (system unit device apparatus instrument module equipment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:48

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S163	64165	((second secondary) near3 (sensor transducer detector encoder detecting sensing detection) near3 (system unit device apparatus instrument module equipment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:49
S164	206462	(second secondary) near3 (computer processor controller microcomputer microcontroller microprocessor (programmable adj logic) ((processing computing) near3 (mean ability capability)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:50
S165	390731	((analog near3 digital) (ad adj converter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:55
S166	7537	S158 and S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:56
S167	141	S158 and S159 and S160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:56
S168	42	S158 and S159 and S160 and S161	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:56
S169	23	S158 and S159 and S160 and S161 and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:56

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S170	18	S158 and S159 and S160 and S161 and S162 and S163	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:57
S171	16	S158 and S159 and S160 and S161 and S162 and S163 and S164	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:57
S172	9	S158 and S159 and S160 and S161 and S162 and S163 and S164 and S165	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 07:57

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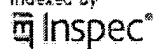
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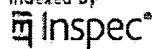
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